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BUCHANAN INGERSOLL PC
One Oxford Center, 20th Floor
Pittsburgh, PA 15219



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	:	PATENT APPLICATION
Gilbert R. Broom	:	METHOD AND APPARATUS FOR BORING
	:	THROUGH A SOLID MATERIAL
Serial No: Unassigned	:	
(cont. of 09/601,560)	:	Group Art Unit: Unassigned
Filed: Herewith	:	Examiner: Unassigned

INFORMATION DISCLOSURE STATEMENT

Pittsburgh, Pennsylvania 15219
February 24, 2004

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant submits herewith information of which he is aware which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56. While this Information Disclosure Statement may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to herein is "prior art" for the above-identified

invention unless specifically designated as such. In accordance with 37 C.F.R. §§ 1.97(g)-(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists, as defined in 37 C.F.R. § 1.56(a).

The references are listed on the enclosed Form PTO-1449. Copies of the foreign patent and non patent references are enclosed herewith. Copies of the other references are not enclosed because they are United States patents. Copies of United States patents need not be filed in applications filed after June 30, 2003 (USPTO Notice dated July 25, 2003).

This Information Disclosure Statement is being filed within three (3) months from the filing date of the above-identified application and, accordingly, it is believed that no fee is required. *See* 37 C.F.R. § 1.97(b)(1). However, if a fee is required for any reason, please charge Deposit Account No. 02-4553 the necessary amount.

Respectfully submitted,



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Attorney for Applicant(s)

Dated: 2-21-2004

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	unassigned (Cont. of 09/601,560)
(use as many sheets as necessary)				Filing Date	herewith
Sheet	1	of	2	First Named Inventor	Gilbert R. Broom
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	040061

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		1,463,848		Shimin	08/07/1923	
		1,477,855		Thurston	12/18/1923	
		1,534,850		Hamilton	04/21/1925	
		1,637,332		Bronson	08/02/1927	
		1,943,880		Rea	01/16/1934	
		2,952,270		Fulton et al.	09/13/1960	
		3,554,306		Wilburn	01/12/1971	
		4,113,405		Dillinger	09/12/1978	
		4,852,672		Behrens	08/01/1989	
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		5,020,780		Woodings	06/04/1991	
		5,704,740		Ebenhoch et al.	01/06/1998	
		6,035,953		Rear	03/14/2000	
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		4,625,814		Helasuo et al.	12/02/1986	
		4,321,974		Klemm	03/30/1982	
		3,978,931		Sudnishnikov et al.	09/07/1976	
		4,194,581		Walter	03/25/1980	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		DE	1,470,064		Fried, Krupp	04/14/1977		
		GB	1,564,473		Clemmow et al.	04/10/1980		
		DE	DE 30 25 890 A1		Westa Werkzeugbau	01/21/1982		
		GB	GB 2 120 156 A		Swan Plant	11/30/1983		
		WO	WO 95/29030		Kennametal	11/02/1995		
		EP	0 383 737 A		Sandvik Aktiebolag	08/22/1990		
		GB	13,399		Wiliams	05/31/1906		

Examiner Signature		Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document by the two-letter code (WPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO				Complete if known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	unassigned (Cont. of 09/601,560)
				Filing Date	herewith
				First Named Inventor	Gilbert R. Broom
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	2	of	2	Attorney Docket Number	040061

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		McMaster-Carr Supply Company-Catalog 99 ("Wood Boring Bits Deep-Hole Power Auger Bits", pages 1837-1842.)	
Examiner Signature		Date Considered	

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